TITLE OF INVENTION: BIOGRASS

CROSS REFERENCE TO RELATED APPLICATIONS

Patent No.	Inventor	Date
3,292,307	**Finn, Charles O.**	**December 20, 1966**
4,219,966	**McCallister, William J.**	**September 2, 1980**
4,716,679	**Heard, Richard A.**	**January 5, 1988**
5,884,570	**Lincoln, James A.**	**March 23, 1999**

STATEMENT REGARDING FEDERAL SPONSORED RESEARCH & DEVELOPMENT

None

FIELD OF THE INVENTION

This invention relates to a new, practical, useful home lawn, garden improvement and erosion control product capable of starting a lawn or a vegetable growth layer on soil or any synthetic surface where it is applied. The product and method utilize an organic sheeting support, an organic adhesive and seeds.

The intention of the invention is to provide a simple, economical and practical means of starting in situ a new lawn or vegetable growth on soil or other synthetic surfaces.

BACKGROUND OF THE INVENTION

Research indicates that, at present, most people either hand spread or mechanically spread grass and fertilizer on the soil surface, leaving the seed susceptible to the actions of rain, wind, or wildlife.

Alternatively, the process to cover the seed with hay or straw to form a barrier against the erosion agents requires additional hand labor for installation and final cleaning up, and the rate of seed germination is low.

Previous solution to this problem have included the use of expensive pre-grown lawn turf installation; blowing an aqueous solution of water, fertilizer, compost, and seed onto the targeted growth area (3,292,307,Finn), casting of grass growth concentrate directly onto the land (4,219,966, McCallister); and introduction of sod slurry mixtures in various forms and configurations (4,716,679, Heard) and (5,884,570, Lincoln); together with a host of home methods and remedies developed by individual users over the course of many years. However, each of these methods requires either large and bulky equipment or other apparatus to use, or is cost prohibitive for small users.

Biograss alleviates these shortcomings by allowing the introduction of a mean directly onto the soil or synthetic surface in a self-contained protective wrap which will biodegrade in a relatively short period, leaving a successful vegetative layer or turf onto the soil applied.

Biograss alleviates the need for costly dispersing equipment and there is no need to clean up any hay, straw, bark, or other mulching mediums which may have been used to protect new growth seeds. To the best of the inventor's knowledge, there is no similar product on the market today which encompasses these features.

BRIEF SUMMARY OF THE INVENTION

Biograss can be summarized as that product and method of promoting grass or other seed growth, which utilizes seeds layered between biodegradable sheets held together with an organic adhesive. Once manufactured, the Biograss can be delivered in rolls, flakes, strips, straws or grains for the application onto the soil or surface where grass or vegetable layer is to be grown. To activate the product, it requires proper watering or irrigation until the grass or vegetable growth has matured.

The organic sheeting is the mechanical means to support the erosion agents, made of biodegradable fibers (paper, coir, grained straws, grained grass leaves, etc), the design will come in convenient size, shape, color, commercial or institutional drawing.

The organic adhesive will stick the seeds to the organic sheeting. The organic adhesive is made of natural glue (corn syrup, rice syrup, latex, etc.) and its compounds will hold fertilizer (nitrogen, phosphorus, potassium, etc).

The seeds could be from one or several kinds, native or exotic, commonly grass seeds to develop turf.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG.1 shows diagramatically the general composition of the Biograss. It illustrates the layers of organic sheeting, the organic adhesive to bond the seeds to the mechanical support (organic sheets or fibers) and the seeds.

FIG.2 illustrates the Biograss Flakes, the design will come in convenient size, shape, color, commercial or institutional drawing.

FIG. 3 shows the Biograss Strips, the design will come in convenient size, shape, color, commercial or institutional drawing.

FIG.4 shows the Biograss Straws, the design will come in convenient size, shape, color, commercial or institutional drawing, in this special product, the Biograss could be mix with natural straws in order to support the straws recycling.

FIG.5 illustrates the Biograss Grains, the design will come in convenient size, shape, color, commercial or institutional drawing The Biograss Grains could be made or mix with natural fibers or natural and septic byproducts.